

## COMMITTEE (choose one):

Forming Fabricating

Installing

Advocacy

# **PROJECT IDEA/CREATION FORM**

Title: How to View Decorative Products in Interior and Exterior Applications	
Submitter: Bobby Chestnut	
Submittal Date: May 6, 2019	
Submitter Contact Info (phone and email): 800.634.9252 Ext: 118; bchestnut@standardbent.com	

#### TASK GROUP MEMBERS:

Name	me Company Email		
Bobby Chestnut	Standard Bent Glass Co.	bchestnut@standardbent.com	
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John Bush	General Glass	jbush@generalglass.com	
Jim Gulnick	McGrory	Jim@mcgrory.com	

BASIC INFORMATION:	Describe		
Project Description	Produce charts to support ASTM for direct to glass and digital printed PVB→ for Quality		
	ontrol. Generate a GIB that will provide recommended guidelines for identifying quality		
	criteria for decorative glazing.		
Does this require immediate	Yes, the ASTM C1048 and C1172 have been updated. This task group was created pre-		
action? If yes, please explain.	NGA/GANA merger and was tabled until the C1172 and C1048 were published in late 2018 and early 2019.		

AUDIENCE:	Describe	
Who is the primary audience for	Please mark one primary audience:	
the finished work, and why?	fabricators and manufacturers	
	suppliers	
	contract glaziers	
	pecifiers	
	architects	
	building owners	
	other:	

SCOPE:

Describe

	Generate a GIB that will provide recommended guidelines for identifying quality criteria for decorative glazing. It is also intended to include Decorative Glazing that is visible from both sides. One potential outcome could be to produce tables and better quality to support the updated ASTM standard C1172 & C1048. The two categories are digital direct to glass and direct to PVB printing. This information will be utilized for the next ASTM update.
What is the recommended format of providing the work product to the target audience?	<ul> <li>Please mark one primary format:</li> <li>GIB – phase 1</li> <li>White paper (multiple audiences)</li> <li>Magazine article</li> <li>MyGlassClass.com course</li> <li>Thirsty Thursday webinar</li> <li>AIA presentation</li> <li>Other: Get charts in ASTM – phase 2</li> </ul>

PURPOSE & OBJECTIVES:	Describe	
What knowledge or skill gap will the work product close?	Education	

TIMELINE:	Describe
Identify timeline, start to finish	May 2019 – Fall 2020
Target Date to First Ballot	
(if applicable)	
Target Date for Project	Fall 2020
Completion*	
	*understanding a document goes through three levels of balloting for 21-days each, in addition to time to address any comments at each level.
	continents at each level.

## Attachment (if applicable):

# FOR INTERNAL USE ONLY [STAFF TO COMPLETE]

Related Task Groups	
Does the project or topic meet the	
association's strategic focus	
(annual, 3-year plan)?	
Budget	
After publication, packaging and	Additional formats:
promotion plan	news release
	newsletter article
	house ad
	<ul> <li>Glass Magazine</li> </ul>
	website promotion

education/event topic
MyGlassClass.com course
Express Learning
🗆 webinar
□ AIA, CSI, other

June 6<sup>th</sup> notes:

This document is applicable to:

- digitally printed ceramic frit to glass
  - May be applicable to other fabrication methods
  - Single pass
  - If product is viewable from both sides or backlit, this criteria might not be acceptable
    - Expectations of standard product vs. backlit product

8.3 *Condition B*—Fully or partially ceramic coated glass, shall be heat-strengthened or fully tempered glass having a ceramic coating of a specified color, pattern, or image which has been fused onto and made an integral part of the surface of the glass as a result of the heat-strengthening or tempering process.

8.3.1 *Appearance*—When viewed in accordance with 10.10, scattered pinholes, voids, screen marks, and small opaque particles in the ceramic coating are not permissible. Alternative quality requirements may be established between the purchaser and fabricator when ordering.

10.10 *Coating Criteria, Condition B, Ceramic Coated*— Glass shall be viewed by light reflected from the outside facing surface as installed. Place the glass sample against a uniformly opaque backup material and in a vertical position. View the sample from a distance of approximately 3 m (10 ft). Determine acceptability in accordance with 8.3.1.

July 18<sup>th</sup> notes:

This document is applicable to:

- Intended to block out or decorative -Limit document to this (not dot patterns/Lines?)
- Screen printing, digital printing and roll coating and spray coating Michael Saroka and Jim Gulnick
- Full coverage vs. partial coverage
  - Limit screen printing and digital printing
- Partial coverage-
  - Limited to screen printing and digital printing processes
  - Partial coverage = dot patterns, lines, logos, images
- Full coverage that is visible from both sides of the glass
  - Need clear definition (1 ft band?)
  - o full coverage can include bands, change in gradient and light transmission
- Full Flood? Spec for visibility from both sides. Can't seek streak lines. Consider the application of visible both sides within from floor to 8ft up. Parameters for different set of requirements.

- Need to define how decorative glazing is being used.
- Develop different classifications such as: Partial, full, overhead, partial in front of you, partial overhead.
- Need quality requirements and inspection methods to use to determine if you meet the quality requirements.

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- Need list of potential terms we need to cover
  - Pinholes
  - Coating Voids
  - Image resolution (fuzziness around edges)
  - o Streak
  - Registration between panels when spanning more than one panel
  - Opacity/Light transmission
  - Contamination (Need clear definition) Means some foreign particle or item becomes a permanent part of glazing. Something falls onto the ink or ceramic frit.
  - o Opaque Particle
  - Screen mark (Mesh mark)

#### August 22<sup>nd</sup> Notes

#### Assignments

- Tables: Bobby and Michael
- Brief description for inspections for table: Jim Gulnick
- Definitions included in introduction: Jim and Michael
- Standards: Tim and Bobby

#### October 25 Meeting:

Decorative glass is a versatile product, used primarily due to its aesthetics and ability to add functionality to glazing installations. The purpose of this document is to define decorative glass and provide guidelines for inspection methods and acceptance criteria. These criteria are supplemental to existing standards.

While decorative glass can come in many forms, most can fit into familiar categories. Screen printed glass and other lithographic applications consist of a pattern transferred to the surface of the glass or interlayer in a single pass of a single color. Digitally printed applications are created by jetting multiple colors of ink simultaneously through print heads onto a surface. Roll-coated materials have their entire surface covered with a single color by direct transfer of ink from a coated roller to its surface while being transported underneath. Lastly, spray-coatings consist of atomized materials sprayed onto the surface by conventional painting methods.

### Voids / Inclusions / contamination (max allowable)

	Screen Printed	Digital	Roll Coated	Spray
< 8' Installation				
height				
8' + installation				
height				

#### Pattern Registration

	Screen Printed	Digital	Roll Coated (Masked)	Spray (Masked)
< 8' Installation height				

8' + installation		
height		